

## **Historic, Archive Document**

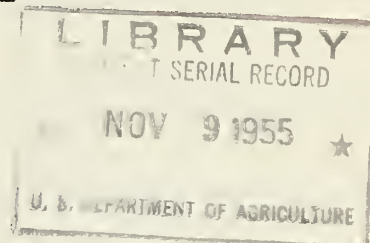
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UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE

## Meat Production Performance Test

1954-55



The Meat Production Performance Test is available to any participant and an entry may be produced by any type of breeding program. The test consists of (1) a nine week growing test period for chicks, (2) a 300-day egg production test on the female parent stock and (3) a measure of hatchability. The detailed provisions of the test are contained in 9 CFR Part 145 a copy of which may be obtained from your Official State Agency or from Animal & Poultry Husbandry Research Branch, Agricultural Research Center, Beltsville, Maryland.

The purpose of the Meat Production Performance Test is (1) to give recognition to the breeder for his efforts in improving meat qualities and (2) to make available to prospective purchasers comparable performance data, as an aid in selecting good sources of chicks or breeding stock for commercial broiler production.

The summary which follows is a compilation of reports submitted by Official State Agencies covering the fifth test. These data are based on the performance of officially selected random samples of the entrants' stock.

The names and addresses of the State Supervisors in charge of the test in their respective States are as follows:

Arkansas - Lowell T. Lankford, University of Arkansas, Box 391,  
Little Rock

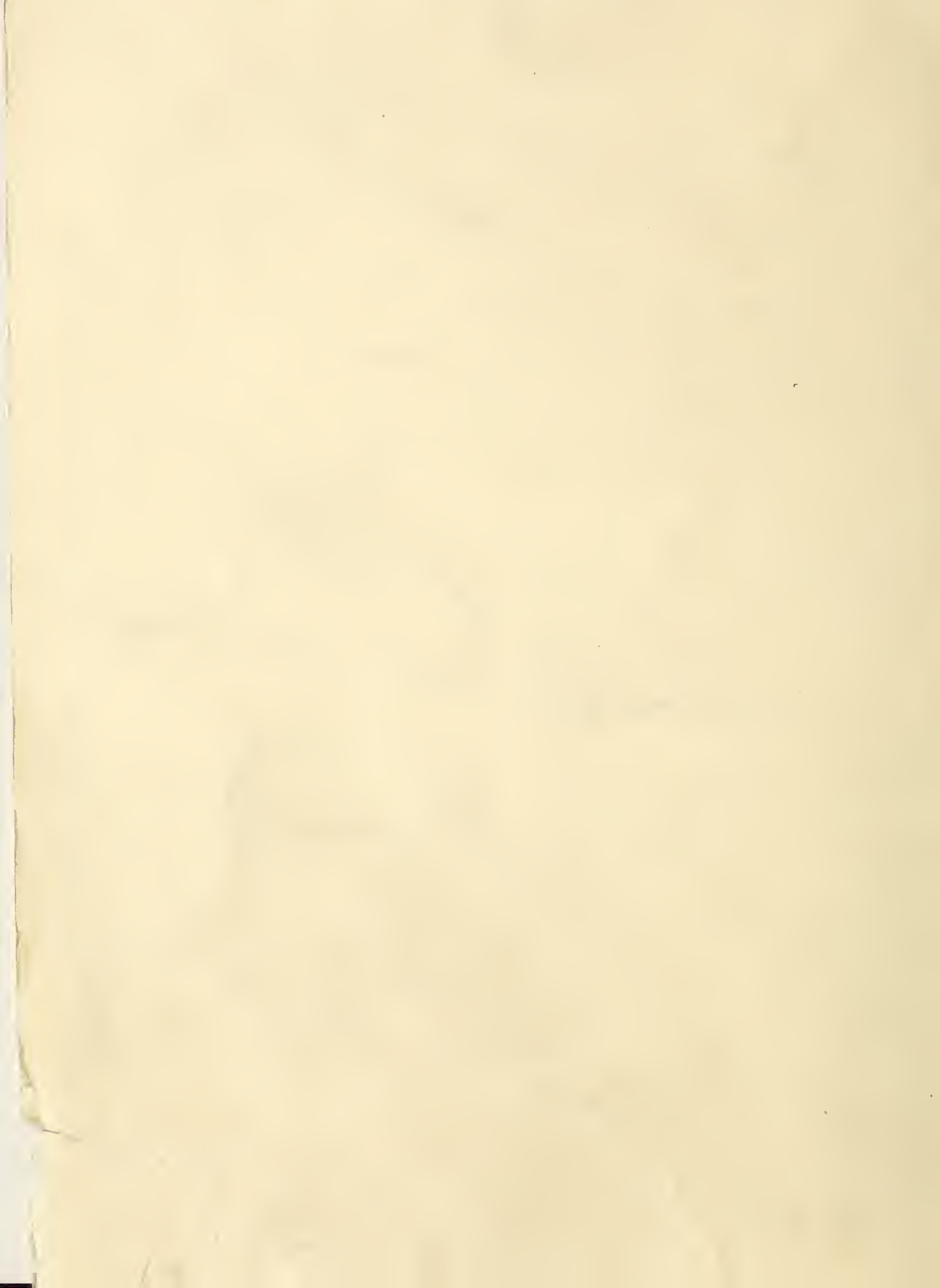
Ohio - Robert Hocker, Poultry Dept., Ohio State University, Columbus 10

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Information in this report was compiled by the Animal and Poultry Husbandry Research Branch, Agricultural Research Service.



GROWING PHASE

Name and Address of Entrant	Name and Location of test	Breed & Variety	Type of Mating	Breeder's grade designation	Females from which sample was drawn	Chicks		Pullets		Cockerels		Cockerels Dressed															
												No.	Average Weight			Carcass grade based on									Rejected		
						Fleshing			Finish							Feathering											
						Started	Mortality 9- weeks	Av. wt. 9-weeks	Variability	Av. wt. 9-weeks	Variability		Live	Dressed	Eviscerated	A	B	C	A	B	C	A	B	C			
No.	%	Lbs.	%	Lbs.	%	Lbs.	Lbs.	Lbs.	%	%	%	%	%	%	%	%	%	%	%								
Arkansas Farmers Assn. Fayetteville, Arkansas	2/	NH	Purebred	U.S. Approved	10,000	300	2.0	2.6	10.4	3.3	11.6	115	3.3	2.9	2.3	94	6	0	98	2	0	100	0	0	0		
Arkansas Farmers Assn. Fayetteville, Arkansas	2/	DW X NH	Crossbred	U.S. Approved	50,000	300	1.7	2.7	11.7	3.2	11.4	125	3.2	2.8	2.2	88	12	0	89	11	0	100	0	0	0		
	3/		Crossbred	U.S. Approved	40,000	300	2.6	2.6	10.0	3.3	8.0	65	3.3	3.0	2.3	96	4	0	100	0	0	98	1	1	0		
Holtzapple Poultry Farm Elida, Ohio	4/	WPR	Purebred	U.S. Certified	10,000	250	4.4	2.5	13.0	2.9	11.3	58	2.9	2.6	-	38	46	16	25	60	15	100	0	0	0		
Holtzapple Poultry Farm Elida, Ohio	4/	WPR	Strain Cross	U.S. Approved	2,000	250	2.8	2.6	12.6	3.1	10.1	57	3.1	2.7	-	58	35	7	51	45	4	100	0	0	0		
University of Arkansas Fayetteville, Arkansas	2/	WW X NH	Crossbred	U.S. Approved	500	300	3.3	2.8	8.4	3.5	11.0	126	3.4	3.0	2.3	89	11	0	96	4	0	100	0	0	0		
University of Arkansas Fayetteville, Arkansas	2/	U-Ark X NH	Crossbred	U.S. Approved	200	300	3.0	2.7	9.8	3.4	9.3	109	3.4	2.9	2.3	90	10	0	92	8	0	100	0	0	0		
University of Arkansas Fayetteville, Arkansas	3/	NH	Purebred	U.S. Approved	200	300	7.7	2.5	9.4	3.1	8.1	64	3.1	2.8	2.1	98	2	0	96	4	0	100	0	0	0		

LAYING PHASE

Name and Address of Entrant	Breed & Variety of growing phase entry	Name and Location of test	Breeder's grade designation of female parent stock	Females in flocks from which sample was drawn	300-day laying test					Hatchability of all eggs set	Pullorum Typhoid Class
					Pullets Housed	Adult Mort.	Av. egg prod.		Av. egg wt.		
				No.	No.	%	Hen-housed	Hen-day	oz. /dz.		
Arkansas Farmers Assn. Fayetteville, Arkansas	NH	<u>4</u> /	U.S. Approved	7,000	150	11.3	48.8	50.1	25.9	83.9	<u>6</u> / PTC
Arkansas Farmers Assn. Fayetteville, Arkansas	DW X NH	<u>4</u> /	U.S. Approved	7,000	150	11.3	48.8	50.1	25.9	78.5	PTC
Holtzapple Poultry Farm Elida, Ohio	WPR	<u>4</u> /	U.S. Certified	290 <u>5</u> /	290	18.0	59.8	65.9	25.0	82.1	PTC
Holtzapple Poultry Farm Elida Ohio	WPR	<u>4</u> /	U.S. Certified	290 <u>5</u> /	290	18.0	59.8	65.9	25.0	82.0	PTC
University of Arkansas Fayetteville, Arkansas	WW X NH	<u>4</u> /	U.S. Approved	500	100	17.0	39.1	41.9	25.8	63.9	PTC
University of Arkansas Fayetteville, Arkansas	U-Ark X NH	<u>4</u> /	U.S. Approved	500	100	17.0	39.1	41.9	25.8	-	PTC
University of Arkansas Fayetteville, Arkansas	NH	<u>4</u> /	U.S. Approved	500	100	17.0	39.1	41.9	25.8	-	PTC

Footnotes

- 1/ NH - New Hampshire  
DW X NH - AFA Dominant White Males X AFA New Hampshire females  
WPR - White Plymouth Rock  
U-Ark X NH - U-Ark (dominant white) male X New Hampshire females  
WW X NH - White Wyandotte Male X New Hampshire females
- 2/ Arkansas Meat Production Performance Test, University of Arkansas, Fayetteville, Arkansas. First growing test completed April 6, 1955.
- 3/ Arkansas Meat Production Performance Test, University of Arkansas, Fayetteville, Arkansas. Second growing test completed July 13, 1955.
- 4/ Conducted on breeder's farm.
- 5/ Used one entire supply flock.
- 6/ PTC = U. S. Pullorum-Typhoid Clean
- 7/ Expressed as the coefficient of variation. As the uniformity of the sample increases the numerical value of the coefficient of variation decreases.

